IN THE CLAIMS:

Please cancel claims 34-43 without prejudice.

- 1-23. (Canceled).
- 24. (ORIGINAL) A method of forming electroplated solder on an organic circuit board for making flip chip joints and board to board solder joints, comprising: providing an organic circuit board including a surface bearing electrical circuitry that includes at least a contact pad;
 - forming a solder mask layer on said surface, said solder mask being patterned to expose said contact pad;
 - forming a thin metal seed layer over said surface, said seed layer being solely made of a first metal material;
 - forming a resist layer with at least one opening located at said contact pad that is deposited over said seed layer;
 - forming a solder bump in said opening by electroplating, said solder bump containing at least said first metal material; and
 - removing said resist layer and said seed layer beneath said resist layer;
 - wherein said seed layer beneath said solder bump dissolves completely into said solder bump after a reflow process, and disappears.
- 25. (ORIGINAL) The method of claim 24, wherein said first metal material is selected from a group consisting of copper and tin.
- 26. (ORIGINAL) The method of claim 24, wherein said seed layer has a thickness less than 0.005 millimeter.
- 27. (ORIGINAL) The method of claim 24, wherein said seed layer is made of physical vapor deposition method.
- 28. (ORIGINAL) The method of claim 24, wherein said seed layer is made of chemical vapor deposition method.

- 29. (ORIGINAL) The method of claim 24, wherein said seed layer is made of electroless plating method.
- 30. (ORIGINAL) The method of claim 29, further comprising a step before forming said thin metal seed layer:
 - coating the surfaces of the solder mask and the contact pad with aqueous solutions which at least contains copper ions and then performing a reduction process of said copper ions to form a thin copper film on said surfaces, wherein there is no reduction of noble metal ions.
- 31. (ORIGINAL) The method of claim 30, wherein said noble metal is selected from a group consisting of palladium, gold and silver.
- 32. (ORIGINAL) The method of claim 24, further comprising a step before forming said thin metal seed layer: forming a barrier layer on said contact pad.
- 33. (ORIGINAL) The method of claim 32, wherein said barrier layer is made of metals selected from a group consisting of copper, tin, nickel, chromium, titanium, copper-chromium alloy, tin-lead alloy, and alloys thereof.
- 34-43 (Canceled).
- 44. (NEW) The method of claim 24, wherein said organic circuit board includes insulative layers made of an organic material.
- 45. (NEW) The method of claim 44, wherein said organic material is selected from the group consisting of epoxy resin, polyimide, bismeleimide triazine, cyanate ester, polybenzocyclobutene, and a glass fiber composite.